

Utah CTE Skills Certification

Graphics Arts/Printing Technology

Performance Evaluation

566 Screen Printing Technology

Name _____

01- Understanding Digital Print Design:

<input type="checkbox"/>	01	Define graphic communications.
<input type="checkbox"/>	02	Define screen printing and identify products produced.
<input type="checkbox"/>	03	Identify alternative decorating methods (i.e. heat transfer, dye sublimation, pad printing, discharge, direct-to-garment, etc.)
<input type="checkbox"/>	04	List in order the technical production flow from idea to finished product.
<input type="checkbox"/>	05	Comprehend basic screen printing technology and equipment (i.e. automatic, manual, dryers, exposure units, etc.)

80% Completion Yes ☐ No ☐

02- Safety & First Aid:

<input type="checkbox"/>	01	List safety rules involving chemicals and flammable liquids.
<input type="checkbox"/>	02	Read, comprehend and follow instructions on warning labels.
<input type="checkbox"/>	03	List the steps to be taken in case of injury in the lab..
<input type="checkbox"/>	04	Identify locations of first aid kit, eye wash station, MSDS and safety equipment.
<input type="checkbox"/>	05	Follow proper safety procedures and dress code when operating equipment.
<input type="checkbox"/>	06	Demonstrate common sense when working with others.
<input type="checkbox"/>	07	Pass general lab safety test.

80% Completion Yes ☐ No ☐

03- Design Process:

<input type="checkbox"/>	01	Understand the design process. (thumbnails, rough, comp, etc.)
<input type="checkbox"/>	02	Define the principles and elements of design.
<input type="checkbox"/>	03	Identify typeface classifications and their uses.
<input type="checkbox"/>	04	Describe the anatomy of type. (baseline, ascenders, descenders, serifs, etc.)
<input type="checkbox"/>	05	Understand point size, leading, and alignment.
<input type="checkbox"/>	06	Create a design for printing, applying the design process.

80% Completion Yes ☐ No ☐

04- Computer Skills:

<input type="checkbox"/>	01	Identify software interface features (i.e. panels, menus, dialog boxes).
<input type="checkbox"/>	02	Select appropriate software types (i.e. word processing, page layout, paint, draw) and related applications.
<input type="checkbox"/>	03	Compare the difference between raster and vector images.
<input type="checkbox"/>	04	Identify difference between Spot Colors and Process Colors.
<input type="checkbox"/>	05	Define input and output devices. (i.e. scanner, digital camera, laser printer, imagesetter, dye sublimation)
<input type="checkbox"/>	06	Identify and determine appropriate file formats.
<input type="checkbox"/>	07	Identify and determine appropriate uses of the registration swatch.
<input type="checkbox"/>	08	Identify registration marks.
<input type="checkbox"/>	09	Install fonts.
<input type="checkbox"/>	10	Demonstrate appropriate file storage and management.
<input type="checkbox"/>	11	Perform basic math skills.
<input type="checkbox"/>	12	Output film positive(s).
<input type="checkbox"/>	13	Output color separations.
<input type="checkbox"/>	14	Digitally produce line art.
<input type="checkbox"/>	15	Demonstrate adherence to copyright and trademarks laws.

80% Completion Yes ☐ No ☐

05- Digital Illustration: (Illustrator)

<input type="checkbox"/>	01	Demonstrate operation of tools, panels, preferences, and menus in an illustration application (i.e. Illustrator).
<input type="checkbox"/>	02	Demonstrate the use of selection tools (i.e. selection, direct selection, magic wand, etc.)
<input type="checkbox"/>	03	Create or trace a drawing/photograph with use of the pen tool.
<input type="checkbox"/>	04	Edit a vector image, modifying anchor points and paths.
<input type="checkbox"/>	05	Understand the advantages & disadvantages of vector images.
<input type="checkbox"/>	06	Comprehend process and spot colors.
<input type="checkbox"/>	07	Solve ratio and percent equations.
<input type="checkbox"/>	08	Define trapping.
<input type="checkbox"/>	09	Measure linear dimensions in inches and fractions of an inch to 1/16".
<input type="checkbox"/>	10	Perform fraction to decimal conversions.

80% Completion Yes ☐ No ☐

06- Screen Prep & Stencil Systems:

<input type="checkbox"/>	01	Identify screen fabric classifications, mesh count, and frame types.
<input type="checkbox"/>	02	Properly de-grease and abraid screen.
<input type="checkbox"/>	03	Identify stencil types. (i.e. hand-cut, indirect, direct, capillary stencils, liquid)
<input type="checkbox"/>	04	Apply and use a direct emulsion stencil
<input type="checkbox"/>	05	Understand variables that effects print size (platen, screen frame, substrate, stencil, film)
<input type="checkbox"/>	06	Demonstrate proper registration techniques when exposing screens.
<input type="checkbox"/>	07	Identify image and non-image areas on a screen printing stencil.
<input type="checkbox"/>	08	Properly blockout screen for printing.

80% Completion Yes ☐ No ☐**07- Screen Printing Production:**

<input type="checkbox"/>	01	Identify squeegee durometer, blades, and handles.
<input type="checkbox"/>	02	Demonstrate proper registration techniques when screen printing.
<input type="checkbox"/>	03	Demonstrate correct printing placement and print quality.
<input type="checkbox"/>	04	Choose appropriate type ink type for the substrate. (i.e. plastisol, water-based, enamel/acrylic)
<input type="checkbox"/>	05	Identify substrates used in the screen printing process.
<input type="checkbox"/>	06	Prepare ink and apply to screen.
<input type="checkbox"/>	07	Set appropriate off contact to control image quality. (snap-off)
<input type="checkbox"/>	08	Demonstrate correct squeegee technique during printing.
<input type="checkbox"/>	09	Identify variables that affect print quality. (Screen tension, mesh, squeegee durometer, ink, etc.)
<input type="checkbox"/>	10	Dry or cure printed objects using appropriate equipment.
<input type="checkbox"/>	11	Produce a printed single color screen print.
<input type="checkbox"/>	12	Produce a printed multiple color screen print.
<input type="checkbox"/>	13	Calculate production costs for a given job specifications.

80% Completion Yes ☐ No ☐**08- Screen Reclaiming/Cleanup:**

<input type="checkbox"/>	01	Demonstrate proper ink cleanup after printing.
<input type="checkbox"/>	02	Demonstrate proper stencil removal.
<input type="checkbox"/>	03	Properly dehaze and degrease a screen(s).
<input type="checkbox"/>	04	Thoroughly clean entire work area. (i.e. equipment, squeegee, screen, tables, etc.)
<input type="checkbox"/>	05	Inspect and verify screen condition after reclaiming.

80% Completion Yes ☐ No ☐**09- Professional Skills: (PDP)**

<input type="checkbox"/>	01	Evaluate your career and training goals.
<input type="checkbox"/>	02	Market your career choice.
<input type="checkbox"/>	03	Develop personal financial skills.
<input type="checkbox"/>	04	Serve as a volunteer in the community.
<input type="checkbox"/>	05	Plan and develop a business.
<input type="checkbox"/>	06	Conduct a worker interview.
<input type="checkbox"/>	07	Develop a résumé and write a cover letter.
<input type="checkbox"/>	08	Demonstrate interviewing skills.
<input type="checkbox"/>	09	Understand the cost of customer service.
<input type="checkbox"/>	10	Identify and apply conflict resolution skills.
<input type="checkbox"/>	11	Demonstrate evaluation skills.
<input type="checkbox"/>	12	Examine workplace ethics: the role of values in making decisions.
<input type="checkbox"/>	13	Perform a skill demonstration.
<input type="checkbox"/>	14	Learn what is contained in Material Safety Data Sheets (MSDS).
<input type="checkbox"/>	15	Perform a self-evaluation of proficiency in program competencies.
<input type="checkbox"/>	16	Serve as an officer in the school's chapter of SkillsUSA
<input type="checkbox"/>	17	Participate in an authorized SkillsUSA graphics competition.
<input type="checkbox"/>	18	Display a professional attitude toward the instructor and peers.
<input type="checkbox"/>	19	Demonstrate punctuality and time management.
<input type="checkbox"/>	20	Demonstrate good work ethics and habits.
<input type="checkbox"/>	21	Develop organizational skills for projects and work area.

80% Completion Yes ☐ No ☐

Signature _____